

## Umbrellas

Umbrellas with a 7mm shaft may be used with the unit. The **umbrella socket** contains a spring which holds the umbrella firmly in place. Care should be taken to avoid striking the flash tube as this may cause damage to the unit. An alternative **umbrella clamp** is attached to the clamp handle.

## Maintenance

The units are robustly designed for professional use, however a little care in their operation can avoid unnecessary damage. When using enclosing accessories monitor the heat build up and use modelling lamps sparingly in this situation. Generally Elinchrom flash units require very little maintenance other than changing the modelling lamp from time to time. When the lamp requires replacement the unit should be disconnected from the mains supply before a new lamp is fitted, and remember to avoid touching the flash tube. If after replacing the modelling lamp the unit does not function check the main fuse which may also need replacing. (A Spare fuse can also be found in the fuse holder. Additional fuses are attached to the handle in a small pouch - ALWAYS confirm that the rating of the fuse corresponds to that shown on the type plate label adjacent to the stand spigot).

**Note** Under circumstances of heavy use the main fuse may fail. This is intentional preventing unnecessary damage occurring and is part of the unit's built-in protection. Should the unit stop working unexpectedly always first check the condition of this fuse.

## Flash Tube

The flash tube is sensitive to some of the skin's natural oils and should not be touched. The flash tube is NOT user replaceable and there are no user serviceable parts inside the unit. Should a flash tube need replacement the unit must be returned to an authorised repair centre. A broken flash tube should never be touched as it might be live.

For protection and for electrical safety reasons the unit should never be cleaned with fluids or solvents. We are sure that your Elinchrom unit will give years of trouble free operation, however if you have any questions about this unit or its operation contact your local Elinchrom distributor.

**FOR YOUR PERSONAL SAFETY, NEVER OPEN OR ATTEMPT TO REPAIR ANY FLASH EQUIPMENT.**

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# elinchrom<sup>®</sup> PROFESSIONAL STUDIO FLASH SYSTEM Operating Instructions

EL250 - EL 500 - EL1000

\*EL750S - EL1500S



## SAFETY NOTE



Electronic flash units are not designed for use outdoors or in damp conditions and should not be used after being exposed to sudden temperature changes causing condensation. They must always be connected to an earthed (grounded) mains supply. The flash tube and modelling lamp generate considerable heat and should be kept clear of combustible materials.

On no account should any object be inserted into the ventilation holes. The units may retain an internal charge for a considerable time even though disconnected from the power supply, and the flash tube and electrodes should not be touched or a severe shock may result. Never attempt to remove a broken flash tube unless you are qualified to do so. Only an authorised service engineer should open or attempt to repair the units.

## Setting Up

Your flash unit will fit onto any 5/8th inch spigot and is held at the required angle by tightening the clamping handle. The front end of the head has a bayonet fitting and **locking ring** which holds the protective cap in place and allows reflectors and other accessories to be fitted during use. The unit must not be operated with the protective cap still in place. To remove, rotate the locking ring so that the white dot on the ring lines up with that on the bayonet. This unlocks the bayonet and allows the protective cap to be removed by twisting anticlockwise. Fitting the reflector is the reverse of this operation. All attachments should be locked in place by turning the **locking ring** so that the two white dots are about 2cm apart.

## Power

Ensure that the **on/off switch** is in the off position and the **slave cell switch** is off before attaching a live mains cable. Select minimum power using the **flash power control** and switch the unit on using the main on/off switch. This will illuminate (red) showing that power is present.

## Modelling Lamp

The modelling lamp is switched on by using the **modelling lamp switch** (yellow). The Krypton modelling lamp supplied is specially designed for the Elinchrom units. They are 'over volted', the 100w lamp giving approximately 160w of light. They have a long life and their size and shape give an excellent indication of the results obtained with the flash.

**NOTE** Normal household and other lamps may touch the flash tube and either may break. Alternatively, slim E27 fitting lamps are available which cannot touch the flash tube and can safely be used with these units. Please consult your supplier about these.

*\*The EL 750S and 1500S are fitted with a 200w halogen lamp. It is vital that the correct fuse (2 amp AF) is fitted in the modelling lamp fuse holder when this lamp is being used.*

## Flash Power

As soon as the unit is switched on, it charges to the pre-selected power. The green ready lamp lights to indicate that recycling is completed and the unit is ready to fire. The power level is controlled by the **flash power control**. This is fully variable over 3 f-stops (full to 1/4 power). When reducing power a manual flash should be fired by pressing the test button. This 'dumps' the extra power and causes the unit to reset to the lower selected level.

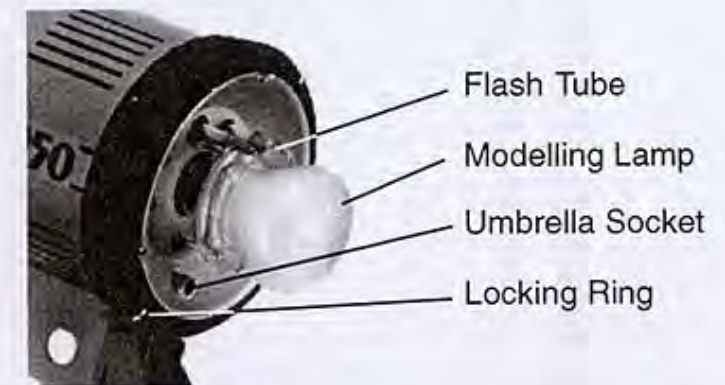
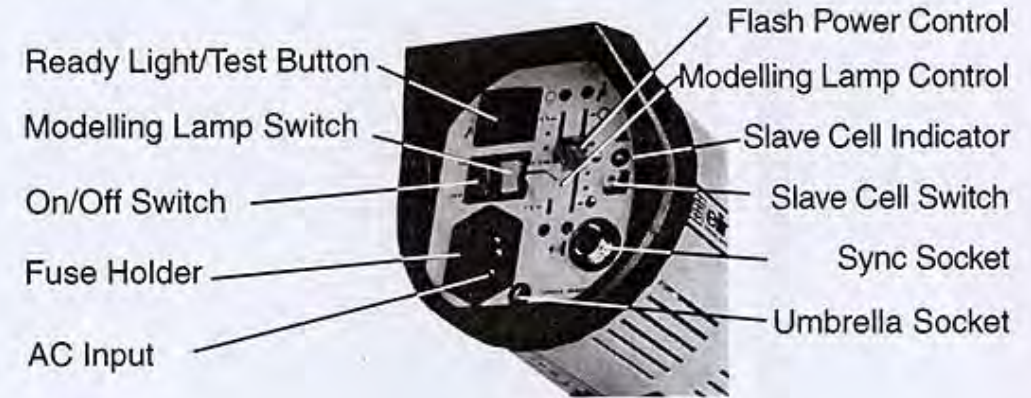
*\*The EL 750 and EL 1500S feature a 5 f-stop power range (full to 1/16th power). They also incorporate auto-dumping circuitry which, when the power levels are reduced using the flash power control, will automatically reset the unit to the new power selected.*

## Proportionality

By lining up the **flash power control** and the **modelling lamp control** the output of both modelling lamp and flash power will be in direct proportion. This enables the relative effect of the light to be assessed before the flash is fired.

## Synchronisation

The unit's flash may be triggered in a number of ways. Manual flashes may be triggered by using the green test button which incorporates the ready light for testing, metering etc. Synchronisation with the camera is achieved by using a sync cable connecting the **sync socket** either to the standard PC socket on the camera or direct to the hot shoe using an adapter. If more than one unit is in use it may be synchronised to the first using the built-in **slave cell**. This is switchable and operates when the transparent square is raised. The slave cell detects the flash from another unit and will fire the unit at the same time making extra cables unnecessary. A **slave cell indicator lamp** above the photocell indicates its status, green for on, red for off.



Note Elinchrom flash units should not be connected in circuit with other flash guns as an incompatible sync voltage can cause damage to the unit.